

# United States Department of Commerce National Institute of Standards and Technology

## **\*Demonstrated Areas of Proficiency**

### **Mass**

Echelon I	30 kg - 1 mg 50 lb - 0.001 lb
Echelon II	250 kg - 1 mg 2500 lb - 0.001 lb 4 oz - 0.03125 oz
Echelon III	500 kg - 1 mg 6000 lb - 0.001 lb 4 oz - 0.03125 oz

### **Volume**

Gravimetric, I
20 L - 5 L
100 gal - 1 gill
Small Volume Prover (SVP)
30 gal - 15 gal
Volume transfer, II
20 L
7500 gal - 1 gal

### **Length**

Steel tapes
30 m - 0.1 m
112 ft - 1 ft
Rigid rules
60 in - 1 in

### **Temperature**

Echelon III	
Echelon IV	
LIG	- 30 °C - 230 °C
PRT	- 30 °C - 230 °C

### **Grain Moisture**

13 % - 23 %


## **~ Certificate of Measurement Traceability ~ for**

# **North Carolina**

**a participant in the NIST Weights and Measures  
Measurement Assurance Program for the Year(s)**

# **2008 - 2009**

**The State standards are traceable to NIST and the laboratory  
has demonstrated\* measurement proficiency through training  
and interlaboratory comparisons.**

  
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*Carol T. Hockert,*  
*for the National Institute of Standards and Technology*

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*Title*

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**January 1, 2008**  
*Effective Date*

